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Please find below and/or attached an Office communication concerning this application or proceeding.

| Office Action Summary | Application No. 09/688,581 | Applicant(s) BALASSANIAN ET AL. |
|---|---|---|
| | Examiner Benjamin R Bruckart | Art Unit 2155 |

*-- Th MAILING DATE of this communication appears on th cover sheet with the correspondence address --*

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE _3_ MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

1) ☒ Responsive to communication(s) filed on _24 September 2001_ .

2a) ☐ This action is **FINAL**.      2b) ☒ This action is non-final.

3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

4) ☒ Claim(s) _1-89_ is/are pending in the application.

　　4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5) ☐ Claim(s) _____ is/are allowed.

6) ☒ Claim(s) _1-89_ is/are rejected.

7) ☐ Claim(s) _____ is/are objected to.

8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

## Application Papers

9) ☐ The specification is objected to by the Examiner.

10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.

　　Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.

　　If approved, corrected drawings are required in reply to this Office action.

12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

　　a) ☐ All  b) ☐ Some * c) ☐ None of:

　　　1. ☐ Certified copies of the priority documents have been received.

　　　2. ☐ Certified copies of the priority documents have been received in Application No. _____ .

　　　3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

　　* See the attached detailed Office action for a list of the certified copies not received.

14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).

　　a) ☐ The translation of the foreign language provisional application has been received.

15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _2_ .

4) ☐ Interview Summary (PTO-413) Paper No(s). _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: .

## *Detailed Action*

Claims 1-89 are pending in this Office Action.

## *Information Disclosure Statement*

The information disclosure statement filed on paper 2 has been considered.

## *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis

for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-8, 10 and 11 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S.

Patent No. 6,523,166 by Mishra et al ("Mishra").

Claims 12-16 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No.

6,523,166 by Mishra et al ("Mishra").

Claims 17-23 and 26 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S.

Patent No. 6,523,166 by Mishra et al ("Mishra").

Claims 27 and 29-31 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S.

Patent No. 6,523,166 by Mishra et al ("Mishra").

Claim 32 is rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No.

6,523,166 by Mishra et al ("Mishra").

Claims 34, 35, and 37 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S.

Patent No. 6,523,166 by Mishra et al ("Mishra").

Claims 39-44 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,523,166 by Mishra et al ("Mishra").

Claims 45, 46 and 49 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,523,166 by Mishra et al ("Mishra").

Claim 50 is rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,523,166 by Mishra et al ("Mishra").

Claim 51 is rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,523,166 by Mishra et al ("Mishra").

Claim 52-57 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,523,166 by Mishra et al ("Mishra").

Claim 58 is rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,523,166 by Mishra et al ("Mishra").

Claim 59-62 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,523,166 by Mishra et al ("Mishra").

Claim 63-66 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,523,166 by Mishra et al ("Mishra").

Claims 67-89 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent No. 6,523,166 by Mishra et al ("Mishra").

Regarding claim 1, a method of deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

searching locally for the code for the feature (Mishra: col. 2, lines 12-16);

requesting the code for the feature from a server component in the network (Mishra: col. 2, lines 14-16; lines 20-23);

receiving the code for the feature from the server component (Mishra: col. 2, lines 20-23); and

activating the feature (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 2, the method of claim 1, further comprising establishing a need for the code for the feature (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22).

Regarding claim 3, the method of claim 2, wherein establishing a need for the code for the feature is based on a request for the feature (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22).

Regarding claim 4, the method of claim 1, wherein the feature comprises at least one sub-feature (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51).

Regarding claim 5, the method of claim 4, wherein the sub-feature may be used with other features (Mishra: col. 9, lines 55-56; col. 10, lines 15-17).

Regarding claim 6, the method of claim 1, wherein the code received from the server component for the feature is an upgrade to an existing feature (Mishra: col. 9, lines 60-64).

Regarding claim 7. the method of claim 6, further comprising upgrading other existing features based on the code received from the server component for the feature (Mishra: col. 9, lines 60-64; col. 13, lines 26-36).

Regarding claim 8, the method of claim 1, wherein activating the feature comprises activating all resources associated with the feature (Mishra: col. 6, line 26).

Regarding claim 10, the method of claim 1, wherein requesting the code for the feature from a server component in the network includes at least one restriction on the feature (Mishra: col. 8, line 34; lines 39-42).

Regarding claim 11, the method of claim 10, wherein the at least one restriction on the feature is set by a user (Mishra: col. 8, lines 39-42).

Regarding claim 12, a method of deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):
searching locally for the code for the feature (Mishra: col. 2, lines 12-16), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51); and

requesting the code for at least one sub-feature from a server component within the network
(Mishra: col. 2, lines 14-16; lines 20-23).

Regarding claim 13, the method of claim 12, further comprising:

requesting the code for the feature from the sever component within the network (Mishra: col. 2,
lines 14-16; lines 20-23); and

receiving information from the server component within the network about the sub-features
(Mishra: col. 2, lines 20-23; col. 2, lines 28-31; application features or components; col. 4, lines 46-51).

Regarding claim 14, the method of claim 12, further comprising receiving code for the at least
one sub-feature requested from the server component within the network (Mishra: col. 2, lines 28-31;
application features or components; col. 4, lines 46-51).

Regarding claim 15, the method of claim 12, further comprising receiving a mapping for the at
least one sub-feature requested from the server component within the network (Mishra: col. 5, lines 10-
27; "active directory" is the mapped directory where the directory is shared access amount clients).

Regarding claim 16, the method of claim 14, further comprising receiving a mapping for the at
least one sub-feature requested from the server component within the network (Mishra: col. 5, lines 10-
27; "active directory" is the mapped directory where the directory is shared access amount clients).

Regarding claim 17, a method of deploying computer code (Mishra: col. 5, line 45) for a feature
within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

receiving a request for the code for the feature from a first component within the network
(Mishra: Figure 4, "client requests a feature from the active directory");

searching locally for the code for the feature (Mishra: col. 2, lines 12-16); and

requesting the code for the feature from a second component in the network (Mishra: Fig. 4,
client computer requests the code from the second component, the network server).

Regarding claim 18, the method of claim 17, further comprising receiving the code for the feature
from the second component within the network (Mishra: col. 2, lines 20-23; second component is the
network server).

Regarding claim 19, the method of claim 18, further comprising determining whether the first component has capability to process the code for the feature (Mishra: Figure 7, Tag 710, 712; col. 7, lines 9-17; col. 9, lines 29-34).

Regarding claim 20, the method of claim 19, wherein capability to process the code for the feature is based on a type of processor on the first component (Mishra: col. 9, lines 43-45).

Regarding claim 21, the method of claim 19, wherein capability to process the code for the feature is based on memory space on the first component (Mishra: col. 9, lines 43-45; associated with architecture of the computer).

Regarding claim 22, the method of claim 19, wherein capability to process the code for the feature is based on an operating system on the first component (Mishra: col. 9, lines 43-45).

Regarding claim 23, the method of claim 18, further comprising transferring the code for the feature to the first component within the network (Mishra: col. 2, lines 22, 23).

Regarding claim 26, the method of claim 23, further comprising storing locally the code for the feature (Mishra: col. 2, lines 23-25; installation is inherent as locally stored; col. 8, lines 22-24).

Regarding claim 27, a method of deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

receiving a request for the code for the feature from a component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

searching locally for the code for the feature (Mishra: col. 2, lines 12-16); and

transferring the code for the feature to the component within the network (Mishra: col. 2, lines 20-23).

Regarding claim 29, the method of claim 27, wherein the feature comprises separate versions (Mishra: col. 9, line 60-63; where upgrades are usually an new version of an application replacing an old version; col. 1, lines 65-67; col. 11, lines 60 and 61 and col. 12, lines 38 and 39).

Regarding claim 30, the method of claim 29, further comprising determining a version of the code for the feature to transfer to the component within the network (Mishra: col. 11, lines 60 and 61 and col. 12, lines 38 and 39; col. 11, lines 44-46 where this data is see if the deployed application would be able to satisfy the CLSID col. 11, lines 26, 27).

Regarding claim 31, the method of claim 30, wherein determining a version of the code for the feature to transfer to the component within the network is based on a restriction (Mishra: col. 8, lines 39-42).

Regarding claim 32, a method of deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

searching locally for the code for the feature (Mishra: col. 2, lines 12-16), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

requesting the code for at least one sub-feature from a server component in the network (Mishra: col. 2, lines 14-16; lines 20-23);

receiving code for at least one sub-feature from the server component (Mishra: col. 2, lines 20-23); and

activating the at least one sub-feature received from the server component (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 34, a method of deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

receiving a request for the code for the feature from a component within the network (Mishra: col. 2, lines 14-16; lines 20-23), wherein the feature comprises at least one sub-feature (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

searching locally for the code for the at least one sub-feature (Mishra: col. 2, lines 12-16); and

determining whether the component has capability to process code for any sub-features of the feature (Mishra: col. 9, lines 29-34, lines 43-45).

Regarding claim 35, the method of claim 34, further comprising transferring the code for the at least one sub-feature to the component within the network (Mishra: col. 2, lines 20-23).

Regarding claim 37, the method of claim 34, further comprising transferring some of the code for sub-features of the feature to the component within the network (Mishra: col. 2, lines 20-23).

Regarding claim 39, the method of claim 34, wherein capability to process code for any sub-features of the feature is based on a type of processor on the component (Mishra: col. 9, lines 43-45).

Regarding claim 40, the method of claim 34, wherein capability to process code for any sub-features of the feature is based on memory space on the component (Mishra: col. 9, lines 43-45; part of processor architecture and generally part of query lines 29-34).

Regarding claim 41, the method of claim 34, wherein capability to process code for any sub-features of the feature is based on an operating system on the component (Mishra: col. 9, lines 43-45).

Regarding claim 42, the method of claim 34, wherein the request for the code for the feature includes at least one restriction on the feature (Mishra: col. 8, lines 39-42).

Regarding claim 43, the method of claim 34, wherein the at least one sub-feature comprises separate versions (Mishra: col. 9, line 60-63; where upgrades are usually an new version of an application replacing an old version; col. 1, lines 65-67; col. 11, lines 60 and 61 and col. 12, lines 38 and 39).

Regarding claim 44, the method of claim 43, further comprising:

determining a version of the code for the at least one sub-feature to transfer to the component within the network (Mishra: col. 11, lines 60 and 61 and col. 12, lines 38 and 39; col. 11, lines 44-46 where this data is see if the deployed application would be able to satisfy the CLSID col. 11, lines 26, 27); and

transferring the version of the code for the at least one sub-feature to the component within the network (Mishra: col. 2, lines 20-23).

Regarding claim 45, a method of deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

receiving code for a feature (Mishra: col. 2, lines 20-23);

determining whether a client needs the feature (Mishra: col. 2, lines 12-16); and

transferring the code for the feature to at least one client (Mishra: col. 2, lines 20-23).

Regarding claim 46, the method of claim 45, wherein the feature is an upgrade to an old feature (Mishra: col. 9, lines 60-64).

Regarding claim 49, the method of claim 45, wherein the feature is a sub-feature (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51).

Regarding claim 50, a method of deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

receiving a request for the code for the feature (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

searching locally for the code for the feature (Mishra: col. 2, lines 12-16);

requesting the code for the feature from a server component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

receiving information from the server component within the network about the sub-features (Mishra: col. 11, lines 25-32; lines 44-46);

searching locally for the code for the sub-features (Mishra: col. 2, lines 12-16);

requesting the code for at least one sub-feature from the server component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

receiving the code for the at least one sub-feature from the server component within the network (Mishra: col. 2, lines 20-23); and

activating the at least one sub-feature (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 51, a method of deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

receiving a request for the code for the feature from a first component within the network (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

sending information to the first component about the sub-features (Mishra: col. 11, lines 25-32; lines 44-46);

receiving a request for the code for at least one sub-feature from the first component within the network (Mishra: Figure 4, "client requests a feature from the active directory");

searching locally for the code for the at least one sub-feature (Mishra: col. 2, lines 12-16); and

requesting the code for the at least one sub-feature from a second component in the network (Mishra: col. 2, lines 14-16; lines 20-23).

Regarding claim 52, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for searching locally for the code for the feature (Mishra: col. 2, lines 12-16);

means for requesting the code for the feature from a server component in the network (Mishra: col. 2, lines 14-16; lines 20-23);

means for receiving the code for the feature from the server component (Mishra: col. 2, lines 20-23); and

means for activating the feature (Mishra: col. 6, lines 25 and 26; "launched").


Regarding claim 53, the system of claim 52, wherein the feature comprises at least one sub-feature (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51).


Regarding claim 54, the system of claim 53, wherein the sub-feature may be used with other features (Mishra: col. 9, lines 55-56; col. 10, lines 15-17).


Regarding claim 55, the system of claim 52, wherein the code received from the server component for the feature is an upgrade to an existing feature (Mishra: col. 9, lines 60-64).


Regarding claim 56, the system of claim 55, further comprising means for upgrading other existing features based on the code received from the server component for the feature (Mishra: col. 9, lines 60-64; col. 13, lines 26-36).


Regarding claim 57, the method of claim 52, wherein the means for requesting the code for the feature from a server component in the network includes at least one restriction on the feature (Mishra: col. 8, line 34; lines 39-42).

Regarding claim 58, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for searching locally for the code for the feature (Mishra: col. 2, lines 12-16); wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51); and

means for requesting the code for at least one sub-feature from a server component within the network (Mishra: col. 2, lines 14-16; lines 20-23).

Regarding claim 59, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for receiving a request for the code for the feature from a first component within the network (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22);

means for searching locally for the code for the feature (Mishra: col. 2, lines 12-16); and

means for requesting the code for the feature from a second component in the network (Mishra: col. 2, lines 14-16; lines 20-23).

Regarding claim 60, the system of claim 59, further comprising means for receiving the code for the feature from the second component within the network (Mishra: col. 6, lines 19-23; lines 27-32; col. 2, lines 20-22; the active directory which is advertised to from the server).

Regarding claim 61, the system of claim 60, further comprising means for determining whether the first component has capability to process the code for the feature (Mishra: col. 9, lines 29-34).

Regarding claim 62, the system of claim 60, further comprising means for transferring the code for the feature to the first component within the network (Mishra: col. 2, lines 20-23).

Regarding claim 63, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for receiving a request for the code for the feature from a component within the network (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22);

means for searching locally for the code for the feature (Mishra: col. 2, lines 12-16); and

means for transferring the code for the feature to the component within the network (Mishra: col.
2, lines 20-23).

Regarding claim 64, the system of claim 63, wherein the feature comprises separate versions
(Mishra: col. 9, line 60-63; where upgrades are usually an new version of an application replacing an old
version; col. 1, lines 65-67; col. 11, lines 60 and 61 and col. 12, lines 38 and 39).

Regarding claim 65, the system of claim 64, further comprising means for determining a version
of the code for the feature to transfer to the component within the network (Mishra: col. 11, lines 60 and
61 and col. 12, lines 38 and 39; col. 11, lines 44-46 where this data is see if the deployed application
would be able to satisfy the CLSID col. 11, lines 26, 27).

Regarding claim 66, the system of claim 65, wherein the means for determining a version of the
code for the feature to transfer to the component within the network is based on a restriction (Mishra: col.
8, lines 39-42).

Regarding claim 67, a system for deploying computer code (Mishra: col. 5, line 45) for a feature
within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for searching locally for the code for the feature (Mishra: col. 2, lines 12-16), wherein the
feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or
components; col. 4, lines 46-51);

means for requesting the code for at least one sub-feature from a server component in the network
(Mishra: col. 2, lines 14-16; lines 20-23);

means for receiving code for at least one sub-feature from the server component (Mishra: col. 2,
lines 20-23); and

means for activating the at least one sub-feature received from the server component (Mishra: col.
6, lines 25 and 26; "launched").

Regarding claim 68, a system for deploying computer code (Mishra: col. 5, line 45) for a feature
within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for receiving a request for the code for the feature from a component within the network
(Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22), wherein the feature comprises at least one
sub-feature (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for searching locally for the code for the at least one sub-feature (Mishra: col. 2, lines 12-16); and

means for determining whether the component has capability to process code for any sub-features of the feature (Mishra: col. 9 lines 29-34).

Regarding claim 69, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for receiving code for a feature (Mishra: col. 2, lines 20-23);

means for determining whether a client needs the feature (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22); and

means for transferring the code for the feature to at least one client (Mishra: col. 2, lines 20-23).

Regarding claim 70, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for receiving a request for the code for the feature (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for searching locally for the code for the feature (Mishra: col. 2, lines 12-16);

means for requesting the code for the feature from a server component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

means for receiving information from the server component within the network about the sub-features (Mishra: col. 2, lines 20-23; col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for searching locally for the code for the sub-features (Mishra: col. 2, lines 12-16);

means for requesting the code for at least one sub-feature from the server component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

means for receiving the code for the at least one sub-feature from the server component within the network (Mishra: col. 2, lines 20-23); and

means for activating the at least one sub-feature (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 71, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for receiving a request for the code for the feature from a first component within the network (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for sending information to the first component about the sub features (Mishra: col. 2, lines 20-23; col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for receiving a request for the code for at least one sub-feature from the first component within the network (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22);

means for searching locally for the code for the at least one sub-feature (Mishra: col. 2, lines 12-16); and

means for requesting the code for the at least one sub-feature from a second component in the network (Mishra: col. 2, lines 14-16; lines 20-23).

Regarding claim 72, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to search locally for the code for the feature (Mishra: col. 2, lines 12-16);

means for causing the computer to request the code for the feature from a server component in the network (Mishra: col. 2, lines 14-16; lines 20-23);

means for causing the computer to receive the code for the feature from the server component (Mishra: col. 2, lines 20-23); and

means for causing the computer to activate the feature (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 73, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to search locally for the code for the feature (Mishra: col. 2, lines 12-16), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51); and

means for causing the computer to request the code for at least one sub-feature from a server component within the network (Mishra: col. 2, lines 14-16; lines 20-23).

Regarding claim 74, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to receive a request for the code for the feature from a first component within the network (Mishra: col. 2, lines 20-23);

means for causing the computer to search locally for the code for the feature (Mishra: col. 2, lines 12-16); and

means for causing the computer to request the code for the feature from a second component in the network (Mishra: col. 2, lines 14-16; lines 20-23).

Regarding claim 75, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to receive a request for the code for the feature from a component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

means for causing the computer to search locally for the code for the feature (Mishra: col. 2, lines 12-16); and

means for causing the computer to transfer the code for the feature to the component within the network (Mishra: col. 2, lines 20-23).

Regarding claim 76, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to search locally for the code for the feature (Mishra: col. 2, lines 12-16), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for causing the computer to request the code for at least one sub feature from a server component in the network (Mishra: col. 2, lines 14-16; lines 20-23);

means for causing the computer to receive code for at least one sub-feature from the server component (Mishra: col. 2, lines 20-23); and

means for causing the computer to activate the at least one sub-feature received from the server component (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 77, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to receive a request for the code for the feature from a component within the network (Mishra: col. 2, lines 14-16; lines 20-23), wherein the feature comprises at least one sub feature  (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for causing the computer to search locally for the code for the at least one sub-feature (Mishra: col. 2, lines 12-16); and

means for causing the computer to determine whether the component has capability to process code for any sub-features of the feature (Mishra: col. 9 lines 29-34).

Regarding claim 78, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to receive code for a feature (Mishra: col. 2, lines 20-23);

means for causing the computer to determine whether a client needs the feature (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22); and

means for causing the computer to transfer the code for the feature to at least one client (Mishra: col. 2, lines 20-23).

Regarding claim 79, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to receive a request for the code for the feature, wherein the feature comprises a plurality of sub-features  (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for causing the computer to search locally for the code for the feature (Mishra: col. 2, lines 12-16);

means for causing the computer to request the code for the feature from a server component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

means for causing the computer to receive information from the server component within the network about the sub-features (Mishra: col. 2, lines 14-16; lines 20-23);

means for causing the computer to search locally for the code for the sub-features (Mishra: col. 2, lines 12-16);

means for causing the computer to request the code for at least one sub-feature from the server component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

means for causing the computer to receive the code for the at least one sub-feature from the server component within the network (Mishra: col. 2, lines 20-23); and

means for causing the computer to activate the at least one sub-feature (Mishra: col. 6, lines 25 and 26; "launched").


Regarding claim 80, an article of manufacture for causing a computer to deploy computer code (Mishra: col. 5, line 45) for a feature within a network, comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

means for causing the computer to receive a request for the code for the feature from a first component within the network (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

means for causing the computer to send information to the first component about the sub-features (Mishra: col. 2, lines 14-16; lines 20-23);

means for causing the computer to receive a request for the code for at least one sub-feature from the first component within the network (Mishra: col. 2, lines 14-16; lines 20-23; active directory);

means for causing the computer to search locally for the code for the at least one sub-feature (Mishra: col. 2, lines 12-16); and

means for causing the computer to request the code for the at least one sub-feature from a second component in the network (Mishra: col. 2, lines 14-16; lines 20-23; network server).

Regarding claim 81, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

search locally for the code for the feature (Mishra: col. 2, lines 12-16);

request the code for the feature from a server component in the network  (Mishra: col. 2, lines 14-16; lines 20-23);

receive the code for the feature from the server component (Mishra: col. 2, lines 20-23); and

activate the feature  (Mishra: col. 6, lines 25 and 26; "launched").


Regarding claim 82, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

search locally for the code for the feature (Mishra: col. 2, lines 12-16), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51); and

request the code for at least one sub-feature from a server component within the network (Mishra: col. 2, lines 14-16; lines 20-23).


Regarding claim 83, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

receive a request for the code for the feature from a first component within the network (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22);

search locally for the code for the feature (Mishra: col. 2, lines 12-16); and

request the code for the feature from a second component in the network (Mishra: col. 2, lines 14-16; lines 20-23).

Regarding claim 84, a system for deploying computer code Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

receive a request for the code for the feature from a component within the network (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22);

search locally for the code for the feature (Mishra: col. 2, lines 12-16); and

transfer the code for the feature to the component within the network (Mishra: col. 2, lines 20-23).

Regarding claim 85, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

search locally for the code for the feature (Mishra: col. 2, lines 12-16), wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

request the code for at least one sub-feature from a server component in the network (Mishra: col. 2, lines 14-16; lines 20-23);

receive code for at least one sub-feature from the server component (Mishra: col. 2, lines 14-16; lines 20-23); and

activate the at least one sub-feature received from the server component (Mishra: col. 6, lines 25 and 26; "launched").

Regarding claim 86, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

receive a request for the code for the feature from a component within the network (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22), wherein the feature comprises at least one sub-feature (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

search locally for the code for the at least one sub-feature (Mishra: col. 2, lines 12-16); and

determine whether the component has capability to process code for any sub-features of the feature (Mishra: col. 9 lines 29-34).


Regarding claim 87, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

receive code for a feature (Mishra: col. 2, lines 14-16; lines 20-23);

determine whether a client needs the feature (Mishra: col. 6, lines 19-21; lines 27-32; col. 2, lines 20-22); and

transfer the code for the feature to at least one client (Mishra: col. 2, lines 20-23; "install").


Regarding claim 88, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

receive a request for the code for the feature, wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

search locally for the code for the feature (Mishra: col. 2, lines 12-16);

request the code for the feature from a server component within network (Mishra: col. 2, lines 14-16; lines 20-23);

receive information from the server component within the network about the sub-features (Mishra: col. 2, lines 14-16; lines 20-23);

search locally for the code for the sub-features (Mishra: col. 2, lines 12-16);

request the code for at least one sub-feature from the server component within the network (Mishra: col. 2, lines 14-16; lines 20-23);

receive the code for the at least one sub-feature from the server component within the network (Mishra: col. 2, lines 14-16; lines 20-23); and

activate the at least one sub-feature  (Mishra: col. 6, lines 25 and 26; "launched").


Regarding claim 89, a system for deploying computer code (Mishra: col. 5, line 45) for a feature within a network, the system comprising (Mishra: col. 2, lines 9-11; col. 4, lines 19-23):

a storage device storing a program (Mishra: col. 3, lines 55-61);

a processor in communication with the storage device (Mishra: col. 3, lines 32-40), the processor operative with the program to (Mishra: col. 4, lines 46-51):

receive a request for the code for the feature from a first component within the network, wherein the feature comprises a plurality of sub-features (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

send information to the first component about the sub-features (Mishra: col. 2, lines 14-16; lines 20-23);

receive a request for the code for at least one sub-feature from the first component within the network (Mishra: col. 2, lines 28-31; application features or components; col. 4, lines 46-51);

search locally for the code for the at least one sub-feature (Mishra: col. 2, lines 12-16); and

request the code for the at least one sub-feature from a second component in the network (Mishra: col. 2, lines 14-16; lines 20-23)


### *Claim Rejections - 35 USC § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all

obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claim 9 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,523,166 by Mishra et al ("Mishra") in view of U.S. Patent No. 6,370,569 by Austin ("Austin").

Claims 24 and 25 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,523,166 by Mishra et al ("Mishra") in view of U.S. Patent No. 5,870,473 by Boesch ("Boesch").

Claim 27 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,523,166 by Mishra et al ("Mishra") in view of U.S. Patent No. 6,370,569 by Austin ("Austin").

Claim 33 is rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,523,166 by Mishra et al ("Mishra") in view of U.S. Patent No. 6,370,569 by Austin ("Austin").

Claims 36 and 38 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,523,166 by Mishra et al ("Mishra") in view of U.S. Patent No. 6,370,569 by Austin ("Austin").

Claims 47 and 48 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent No. 6,523,166 by Mishra et al ("Mishra") in view of U.S. Patent No. 6,370,569 by Austin ("Austin").

Regarding claim 9,

The Mishra reference teaches a system of installing software implementations and componets via a network connection to a server. The Mishra reference lacks mapping file formats.

The Austin reference teaches, the method of claim 1, wherein the code for the feature received from the server component is a mapping (Austin: col. 3, lines 22-33; convert the data).

The Austin reference further teaches that the data socket performs all work necessary to read the raw data from various input sources and to parse the data and return it in a form directly usable by the user's applications (Austin: col. 2, lines 35-40) and that the data socket is an easy to use re-usable software component (Austin: col. 2, lines 43-46).

Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create the system of installing software implementations and components via a

network connection to a server as taught by Mishra while employing data sockets to read and
parse the data from various input sources taught by Austin in an easy to use and re-usable format
(Austin: col. 2, lines 35-40, 43-46).

Regarding claims 24 and 25,

The Mishra reference teaches a system of installing software implementations and
components via a network connection to a server. The Mishra reference does not explicitly state
the use of encryption in its installation transfers.

The Boesch reference teaches, the method of claim 23, further comprising encrypting the code
for the feature before transferring the code for the feature to the first component within the network
(Boesch: col. 1, lines 26-35) and the method of claim 23, further comprising digitally signing the code
for the feature before transferring the code for the feature to the first component within the network
(Boesch: col. 1, lines 26-35).

The Boesch reference further teaches that digitally signed certificates provide
authentication and security by heavily encrypting the message (Boesch: col. 1, lines 31-35).

Therefore it would have been obvious at the time of the invention to one of ordinary skill
in the art to create the system of installing software implementations and components via a
network connection to a server as taught by Mishra while digitally signing and encrypting the code
as taught by Boesch in order to provide authentication and security to the sender and the receiver
(Boesch: col. 1, lines 31-35).

Regarding claim 28,

The Mishra reference teaches a system of installing software implementations and
components via a network connection to a server. The Mishra reference lacks mapping file
formats.

The Austin reference teaches, the method of claim 27, wherein the code for the feature
received from the server component is a mapping (Austin: col. 3, lines 22-33; convert the data).

The Austin reference further teaches that the data socket performs all work necessary to
read the raw data from various input sources and to parse the data and return it in a form directly

usable by the user's applications (Austin: col. 2, lines 35-40) and that the data socket is an easy to use re-usable software component (Austin: col. 2, lines 43-46).

Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create the system of installing software implementations and components via a network connection to a server as taught by Mishra while employing data sockets to read and parse the data from various input sources taught by Austin in an easy to use and re-usable format (Austin: col. 2, lines 35-40, 43-46).

Regarding claim 33,

The Mishra reference teaches a system of installing software implementations and components via a network connection to a server. The Mishra reference lacks mapping file formats.

The Austin reference teaches, the method of claim 32, wherein the code for the feature received from the server component is a mapping (Austin: col. 3, lines 22-33; convert the data).

The Austin reference further teaches that the data socket performs all work necessary to read the raw data from various input sources and to parse the data and return it in a form directly usable by the user's applications (Austin: col. 2, lines 35-40) and that the data socket is an easy to use re-usable software component (Austin: col. 2, lines 43-46).

Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create the system of installing software implementations and components via a network connection to a server as taught by Mishra while employing data sockets to read and parse the data from various input sources taught by Austin in an easy to use and re-usable format (Austin: col. 2, lines 35-40, 43-46).

Regarding claims 36 and 38,

The Mishra reference teaches a system of installing software implementations and components via a network connection to a server. The Mishra reference lacks mapping file formats in transfers.

The Austin reference teaches, the method of claim 37, transferring code for a mapping to the component within the network (Austin: col. 3, lines 22-33; convert the data) and the method of claim

35, wherein the code for the at least one sub-feature transferred to the component within the network is a mapping (Austin: col. 3, lines 22-33; convert the data).

The Austin reference further teaches that the data socket performs all work necessary to read the raw data from various input sources and to parse the data and return it in a form directly usable by the user's applications (Austin: col. 2, lines 35-40) and that the data socket is an easy to use re-usable software component (Austin: col. 2, lines 43-46).

Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create the system of installing software implementations and components via a network connection to a server as taught by Mishra while employing data sockets to read and parse the data from various input sources taught by Austin in an easy to use and re-usable format (Austin: col. 2, lines 35-40, 43-46).

Regarding claims 47 and 48,

The Mishra reference teaches a system of installing software implementations and components via a network connection to a server. The Mishra reference lacks mapping file formats in transfers.

The Austin reference teaches, the method of claim 45, transferring code for a mapping to the at least one client (Austin: col. 3, lines 22-33; convert the data) and the method of claim 45, wherein the code transferred is a mapping (Austin: col. 3, lines 22-33; convert the data).

The Austin reference further teaches that the data socket performs all work necessary to read the raw data from various input sources and to parse the data and return it in a form directly usable by the user's applications (Austin: col. 2, lines 35-40) and that the data socket is an easy to use re-usable software component (Austin: col. 2, lines 43-46).

Therefore it would have been obvious at the time of the invention to one of ordinary skill in the art to create the system of installing software implementations and components via a network connection to a server as taught by Mishra while employing data sockets to read and parse the data from various input sources taught by Austin in an easy to use and re-usable format (Austin: col. 2, lines 35-40, 43-46).

## *Prior Art*

The prior art made of record and not relied upon is considered pertinent to applicant's

disclosure:

   U. S. Patent No. 6,484,315 issued to Ziese.

   U. S. Patent No. 6,434,744 issued to Chamberlain et al.

   U. S. Patent No. 6,418,554 issued to Delo et al.

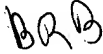   U. S. Patent No. 6,347,398 issued to Parthasarathy et al.

## *Conclusion*

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Benjamin R Bruckart whose telephone number is (703) 305-

0324. The examiner can normally be reached on 8:00-5:30 PM with every other Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Hosain Alam can be reached on (703) 308-6662. The fax phone numbers for the

organization where this application or proceeding is assigned are (703) 872-9306 for regular

communications and After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding

should be directed to the receptionist whose telephone number is (703) 305-0324.

Benjamin R Bruckart
Examiner
Art Unit 2155

brb
October 28, 2003

**HOSAIN ALAM**
**SUPVISORY PATENT EXAMINER**